

### Abstract

Two and three piece golf balls having improved rebound characteristics include cores and centers, respectively, that are comprised of polybutadiene rubber and inorganic fillers with specific gravities of about 5.4 or greater. The inorganic fillers may be selected from tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, iron, steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide or ferrous oxide.